



U.S. Department
of Transportation

**Pipeline and Hazardous
Materials Safety Administration**

April 4, 2008

East Building, PHH-30
1200 New Jersey Avenue S.E.
Washington, D.C. 20590

DOT-SP 14673
(FIRST REVISION)

EXPIRATION DATE: September 30, 2008

1. GRANTEE: Pentair Water Treatment Company and
their distributors
Chardon, OH
2. PURPOSE AND LIMITATION:
 - a. This emergency special permit authorizes the transportation in commerce of approximately 7,200 non-DOT specification fully wrapped fiber-reinforced composite cylinders containing compressed air at a pressure not greater than 46 psig by motor vehicle. This special permit provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically stated herein.
 - b. The safety analyses performed in development of this special permit only considered the hazards and risks associated with transportation in commerce. The safety analyses did not consider the hazards and risks associated with consumer use, use as a component of a transport vehicle or other device, or other uses not associated with transportation in commerce.
 - c. No party status will be granted to this special permit.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 173.302a in that non-DOT specification cylinders are not authorized, except as provided herein; and § 172.301(c) in that the marking requirements are waived.

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5. BASIS: This emergency special permit is based on the application of Pentair Water Treatment Company dated March 14, 2008, submitted in accordance with § 107.117 and a determination that it is necessary to prevent significant economic loss. And supplement information dated April 3, 2008
6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Hazardous Materials Description			
Proper shipping name	Hazard Class/ Division	Identification Number	Packing Group
Air, compressed	2.2	UN1002	N/A

7. SAFETY CONTROL MEASURES:

a. PACKAGING - Packagings prescribed are approximately 7,200 non-DOT specification fully wrapper fiber reinforced composite gas cylinders with a non-load sharing liner known commercially as Wellmate composite pressure vessels and Comp Tec composite water system pressure tanks. The cylinders are designed to NSF-ANSI 44-2004, titled "Residential cation exchange water softeners", and have a safety margin of 5:1. Additionally, the Wellmate cylinders are designed to meet the European Pressure Equipment Directive and the CompTec tanks are designed to Section X of the ASME Code but are not ASME Code stamped. The cylinder designs have water capacities between 55 and 454 liters (14.5 and 120 US gallons) and maximum service pressures as shown in the following table:

Tank	Capacity (liters)	Max. Service Pressure (psig)
WM4	55	100
WM6	74	100
WM9	112	100
WM12	153	100
WM6LP	73	100
WM10LP	130	100
WM14WB	178	125
WM20WB	227	125
WM23	301	100

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Tank	Capacity (liters)	Max. Service Pressure (psig)
WM25WB	326	125
WM35WB	453	125
CPV15T	57	150
CPV20T	76	150
CPV30T	114	150
CPV40T	152	150
CPV47T	178	150
CPV62T	235	150
CPV87T	330	150
CPV119T	450	150
CPV120T	454	150

and are as shown on the Pentair drawings on file with the Office of Hazardous Materials Special Permits and Approvals (OHMSPA).

b. TESTING - Each cylinder design must be hydrostatically pressure tested to 300 psig (2070 kPa) or 2.4 times the maximum service pressure, whichever is greater, for 15 minutes. The test pressure must be permanently marked on the tank.

c. OPERATIONAL CONTROLS -

(1) The maximum pressure in each cylinder may not exceed 46 psig during transportation.

(2) Transportation is authorized from Pentair Water Treatment Company and Pentair Water Treatment Company's Distributors in truckload or less than truckload quantities with no intermediate stops.

8. SPECIAL PROVISIONS:

a. A person who is not a holder of this special permit who receives a package covered by this special permit may reoffer it for transportation provided no modifications or changes are made to the package or its contents and it is reoffered for transportation in conformance with this special permit and the HMR.

b. A current copy of this special permit must be maintained at each facility where the package is offered or reoffered for transportation.

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c. The marking requirements of § 172.301(c) are waived.

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle.
10. MODAL REQUIREMENTS: A current copy of this special permit must be carried aboard each motor vehicle used to transport packages covered by this special permit.
11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this special permit and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq:
 - o All terms and conditions prescribed in this special permit and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
 - o Persons operating under the terms of this special permit must comply with the security plan requirement in Subpart I of Part 172 of the HMR, when applicable.
 - o Registration required by § 107.601 et seq., when applicable.

Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this special permit must receive training on the requirements and conditions of this special permit in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this special permit, including display of its number, when this special permit has expired or is otherwise no longer in effect.

Under Title VII of the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU)- 'The Hazardous Materials Safety and Security Reauthorization Act of 2005' (Pub. L. 109-59), 119 Stat. 1144 (August 10, 2005), amended the Federal hazardous materials transportation law by changing the term "exemption" to "special permit" and authorizes a special permit to be granted up to two years for new special permits and up to four years for renewals.

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12. REPORTING REQUIREMENTS: Shipments or operations conducted under this special permit are subject to the Hazardous Materials Incident Reporting requirements specified in 49 CFR §§ 171.15 - Immediate notice of certain hazardous materials incidents, and 171.16 - Detailed hazardous materials incident reports. In addition, the grantee(s) of this special permit must notify the Associate Administrator for Hazardous Materials Safety, in writing, of any incident involving a package, shipment or operation conducted under terms of this special permit.

Issued in Washington, D.C.:



for Theodore L. Willke
Associate Administrator for Hazardous Materials Safety

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Pipeline and Hazardous Material Safety Administration, U.S. Department of Transportation, East Building PHH-30, 1200 New Jersey Avenue, Southeast, Washington, D.C. 20590.

Copies of this special permit may be obtained by accessing the Hazardous Materials Safety Homepage at http://hazmat.dot.gov/sp_app/special_permits/spec_perm_index.htm Photo reproductions and legible reductions of this special permit are permitted. Any alteration of this special permit is prohibited.

PO: Moore/sln